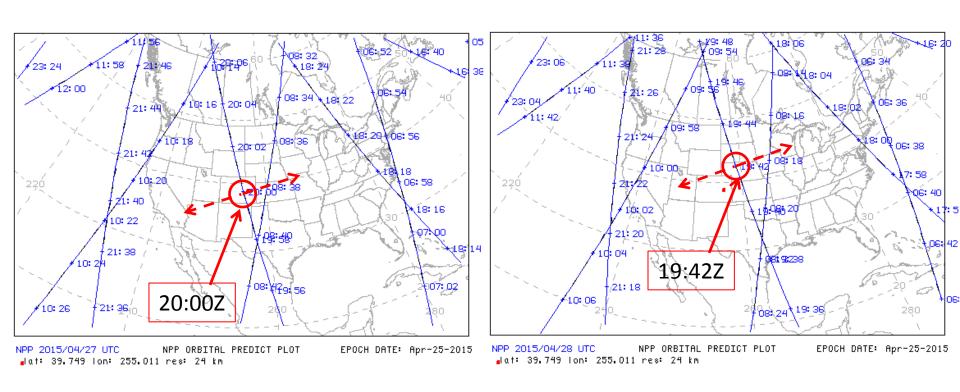
RAQMS 20150426 SONGNEX 54hr and 78hr FX for 18Z April 27 an d28 (Utah, Wyoming, Colorado), 2015

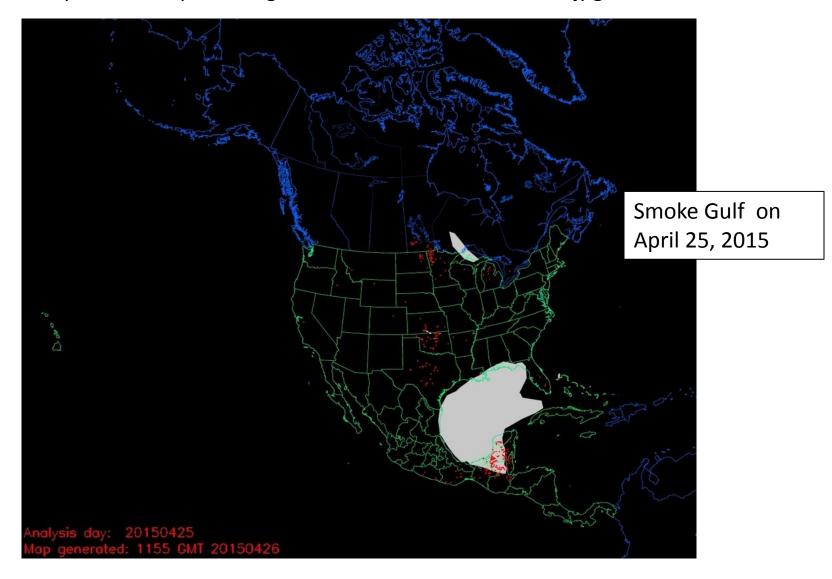
S-NPP (CrIS) overpass on 2015/04/27 and 2015/04/28 NUCAPS CO2, O3, CO, CH4 Validation Opportunity <u>Nadir (27) and Western (28) swath</u>



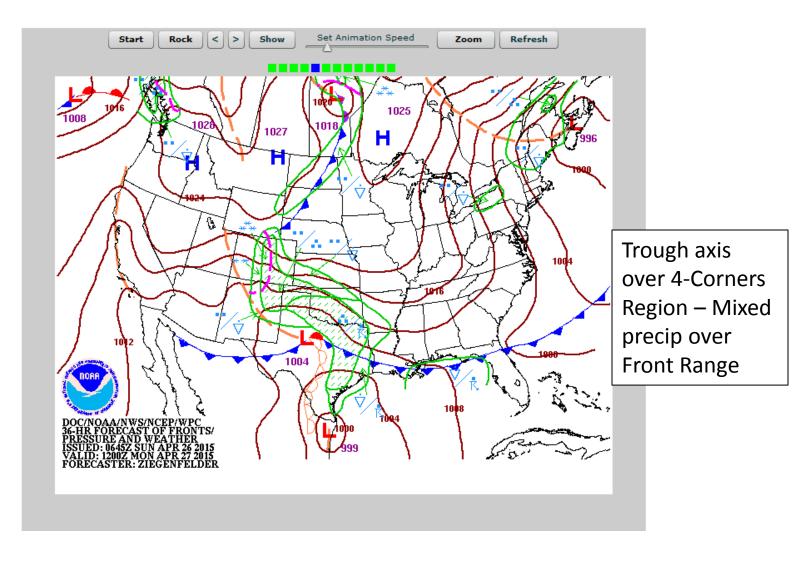
Approximate swath width

NESDIS Hazard Mapping System (HMS)

http://www.ospo.noaa.gov/data/land/fire/currenthms.jpg



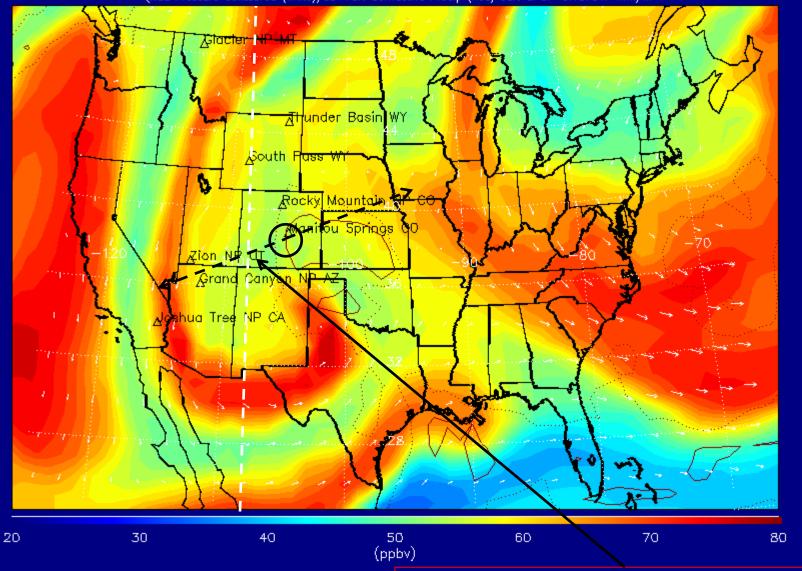
36hr NCEP/WPC forecast valid 12Z 04/27/2015



http://www.hpc.ncep.noaa.gov/basicwx/day0-7loop.html

05km 0₃ 18Z 20150427

(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.167847 mm/hr



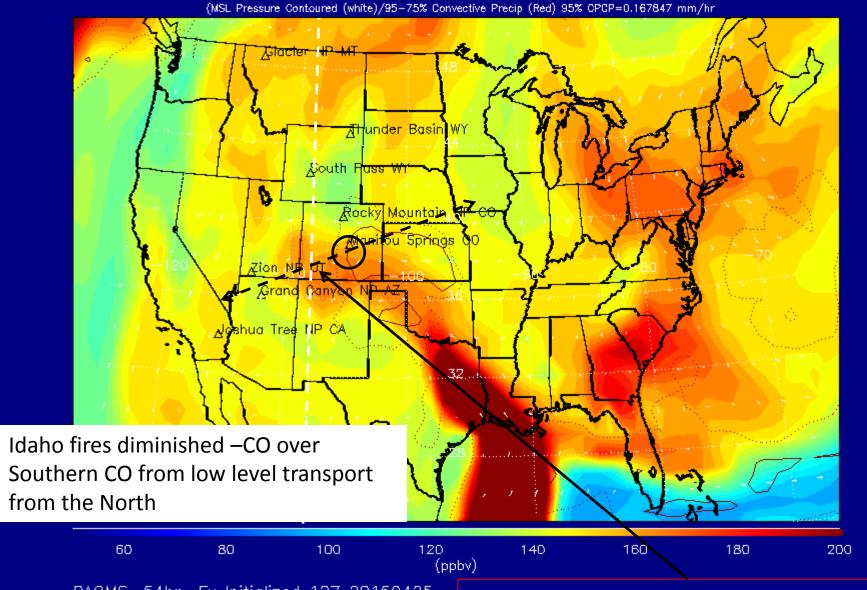
RAQMS_G 54hr Fx Initialized 12Z 20150425

Western Colorado on Western side of swath

Approximate swath width

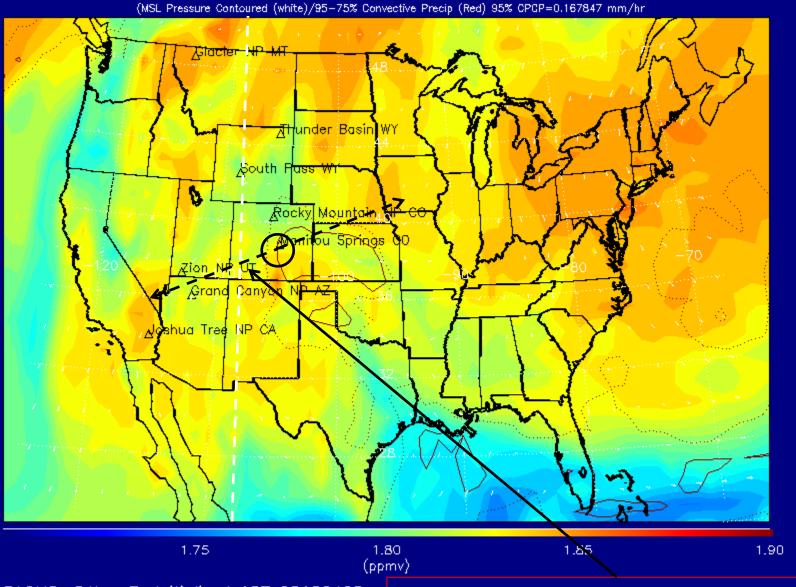
01km AGL CO

18Z 20150427



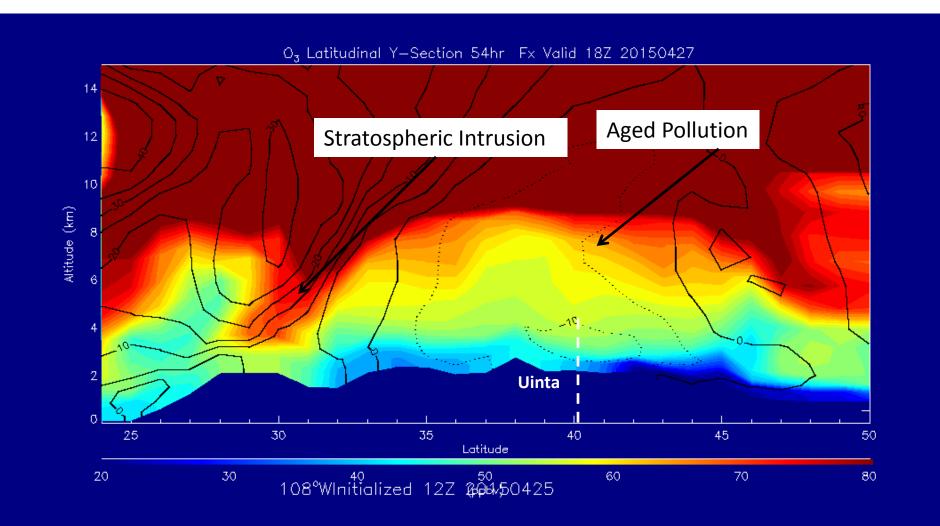
RAQMS_e 54hr Fx Initialized 12Z 20150425

01km AGL CH4 18Z 20150427

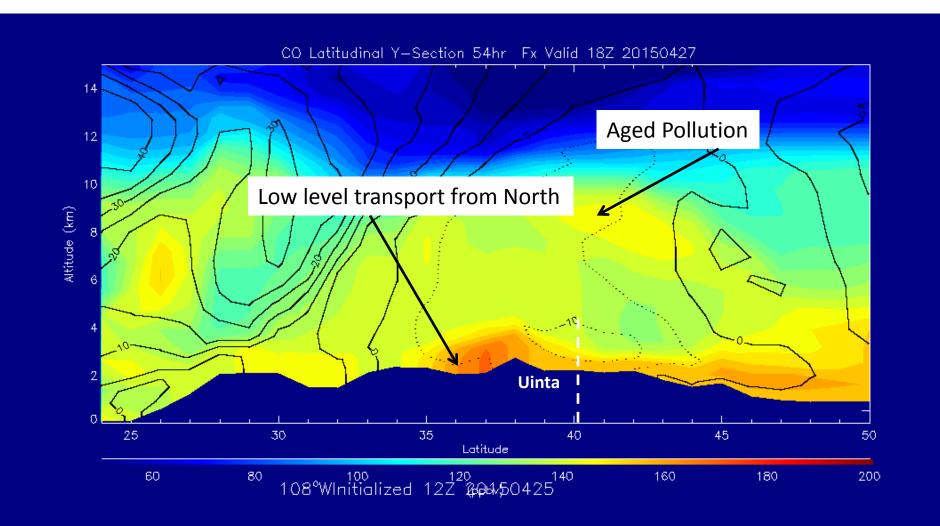


RAQMS_e 54hr Fx Initialized 12Z 20150425

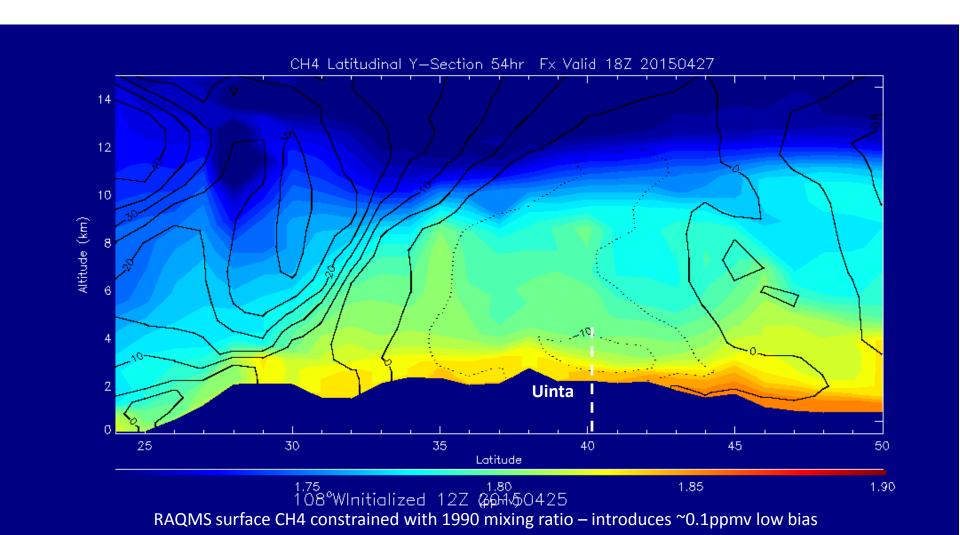
RAQMS 54hr FX O3 Cross-section at 108W (Western Colorado)



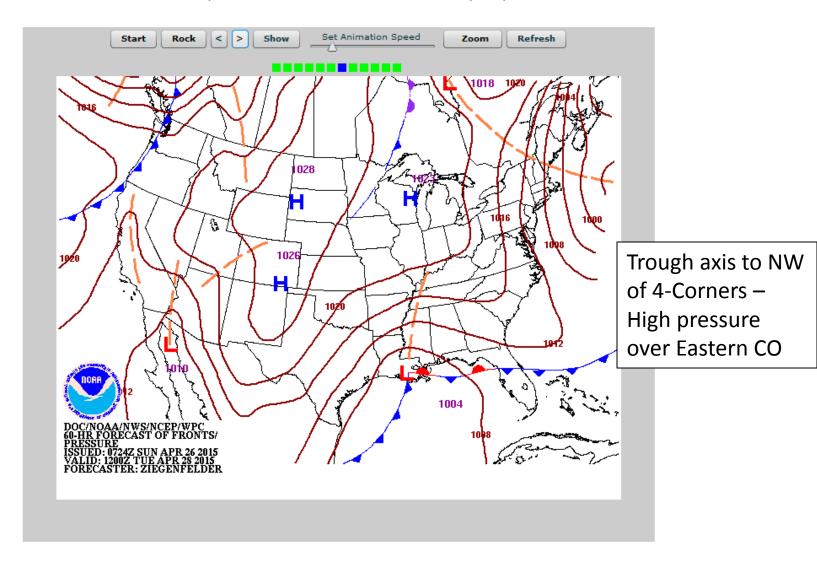
RAQMS 54hr FX CO Cross-section at 108W (Western Colorado)



RAQMS 54hr FX CH4 Cross-section at 108W (Western Colorado)



60hr NCEP/WPC forecast valid 12Z 04/28/2015



http://www.hpc.ncep.noaa.gov/basicwx/day0-7loop.html

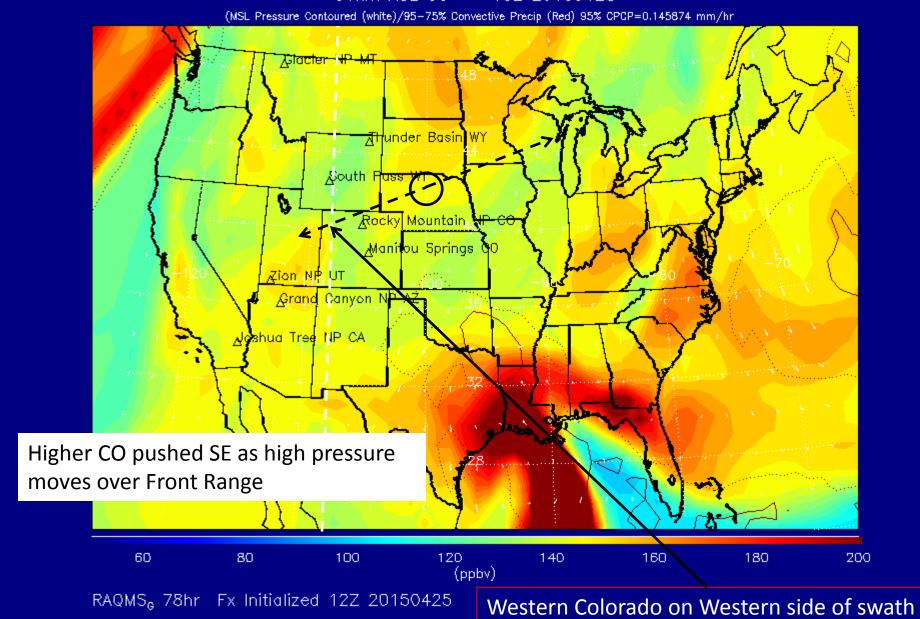
05km 0₃ 18Z 20150428

(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.145874 mm/hr Manitou Springs 90 ,Zion N₽ UT Grand Canyon N shua Tree NP CA 20 30 40 50 60 80 70 (ppbv)

RAQMS_G 78hr Fx Initialized 12Z 20150425

01km AGL CO

18Z 20150428

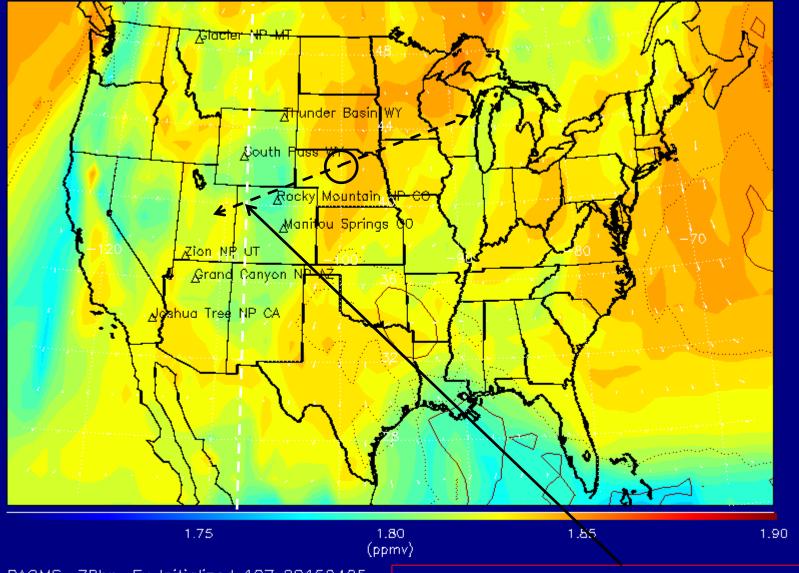


Approximate swath width

01km AGL CH4

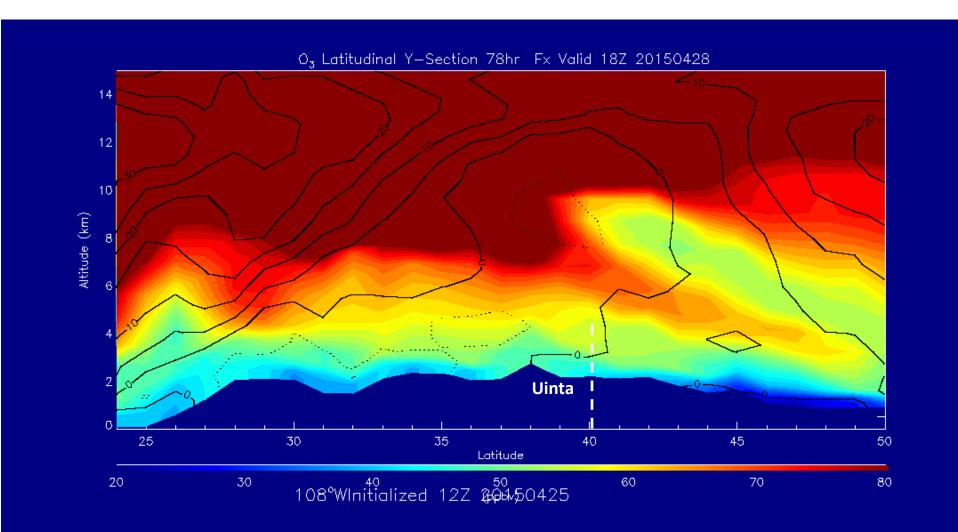
18Z 20150428

(MSL Pressure Contoured (white)/95-75% Convective Precip (Red) 95% CPCP=0.145874 mm/hr

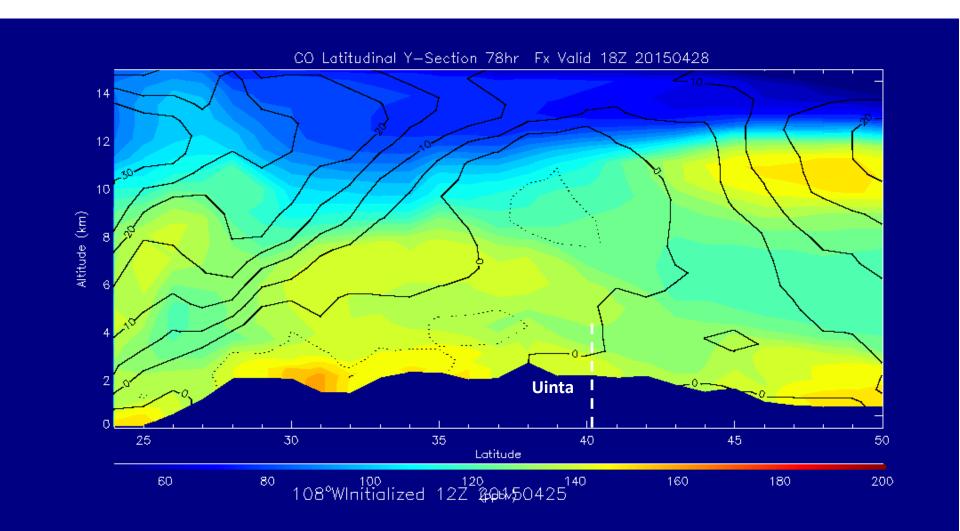


RAQMS_g 78hr Fx Initialized 12Z 20150425

RAQMS 78hr FX O3 Cross-section at 108W (Western Colorado)



RAQMS 78hr FX CO Cross-section at 108W (Western Colorado)



RAQMS 78hr FX CH4 Cross-section at 108W (Western Colorado)

